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(54) Title: SINGLE-COAT SELF-ORGANIZING MULTI-LAYERED PRINTING PLATE

(57) Abstract: A single manufacturing pass for manufacturing a multilayered self-organized coating onto a substrate to provide all of the functions usually provided in multiple-pass coatings for manufacturing an infrared imageable offset lithographic printing plate; and a process whereby two or more polymeric materials that cannot usually co-exist in solution may be dissolved in suitably dilute solvent mixtures which, when coated onto a substrate and the solvents evaporated, deposit a continuous graduation of polymeric mixtures vertical to the substrate, caused by the self-assembly process.

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